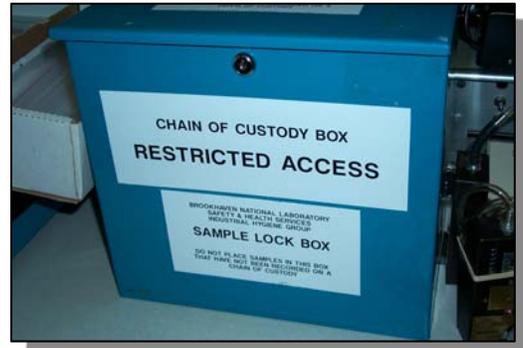


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1.0 Purpose & Scope

This document describes a *Chain of Custody (COC)* procedure for receiving filters, sorbent tubes, bulk samples, surface wipes and other Industrial Hygiene (IH) samples for on site and off site analysis. It is based on steps described in NIOSH Manual of Analytical Methods, 4th Edition and the OSHA Technical Manual, Chapter 4. It does not cover human biological indicator sample collection (i.e. urine, blood, and other medical surveillance techniques) that is administered by OMC protocol.

The goal of the procedure is to provide a uniform methodology/protocol to preserve the integrity of collected samples to prevent intentional or unintentional alteration by persons not responsible for the collection, processing or analysis of the samples. When sample integrity is maintained and documented from collection through analysis, analytical results can be used with confidence.

2.0 Responsibilities

- 2.1 **Program Administration:** This procedure is administered through the Safety and Health Services Division (SHSD) of the SHSD Industrial Hygiene Group, the Radiological Control Division Facility Support Group, Plant Engineering, and other BNL Environmental, Safety, Health and Quality Directorate (ESH&Q) related organizations that submit samples to the IH Group lab are required to follow this procedure.

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2.2 **Sample Custodian:** Only persons of the Industrial Hygiene Group who have demonstrated competency in this procedure, in accordance with Section 7, are authorized and allowed to receive samples at the SHSD IH Laboratory.

2.3 **Sample Submitter & Collector:** The *Sample Collector* and *Sample Submitter* are responsible for the integrity of the sample until the sample has been properly transferred to the IH Group.

3.0 Definitions

3.1 **Chain of Custody:** A written record that tracks the transfer of samples from person to person.

3.2 **Program Administrator:** A person designated by the IH Group Leader or SHSD management to administer this procedure and associated sampling data management.

3.3 **Sample Collector:** A person who collects a bulk sample, set-ups air monitoring pumps, performs a wipe sample, or otherwise creates a sample that will be processed by the IH Group Chain of Custody procedure.

3.4 **Sample Custodian:** A person who has demonstrated competency to receive samples and ensure compliance with this procedure in the handling of samples in the Industrial Hygiene laboratory.

3.5 **Sample Submitter:** A person who brings a sample to the IH Group for analysis. This person shall be instructed in the necessary steps to correctly submit the samples by the IH Group *Sample Custodian* at the time samples are submitted and in other BNL IH procedure training as appropriate.

4.0 Prerequisites none

5.0 Precautions

5.1 **Personal Protective Equipment:** The use of personal protective equipment to protect the *Sample Custodian* receiving the sample is not typically required, because

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the sample must be presented to the IH Group fully enclosed and in a manner that is free of contamination on the outer container.

5.1.1 If it is necessary for the *Sample Custodian* to handle a sample with potential surface contamination, at a minimum, disposable gloves must be used when contacting the exposed sampling media. The gloves must have sufficient impermeability to the surface contaminant to allow safe handling. All handling of contaminated containers must be done within a laboratory hood.

5.2 **Radiological Contamination:** It is possible that some areas where samples are taken may have radioactive contamination as well as chemical contamination. The *Sample Custodian* must verify from the *Sample Submitter* that the samples have been analyzed for the radiological hazard and are at radiological contamination levels below the permissible release limits to the general public. [See FS SOP-1005.](#)

5.3 **Environmental Impact and Waste Disposal:** This sampling does not have adverse impact on the environment or create waste for disposal. Whenever possible, print records generated from this procedure on 2-sided copiers and recycle obsolete paper.

5.4 **Job Risk Assessment:** Consult the *Job Risk Assessment* [SHSD-JRA-14](#) or the risk analysis of this operation based on the hazards and controls of this SOP.

6.0 Procedure

6.1 **Equipment:** Ensure that the following are used when appropriate in the processing of samples for analysis:

6.1.1 **Sample container for bulk samples** (either):

6.1.1.1 Bag, plastic, sealable with “zip” type seal.

6.1.1.2 Vial, glass or plastic.

6.1.2 **Sample label** (any of these):

6.1.2.1 Self Adhesive paper label.

6.1.2.2 Permanent marking with indelible pen directly on the sample container.

6.1.2.3 Adhesive marking tape on which permanent lettering can be made.

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6.1.3 **Tamper evidence security bag:** (an 8 x 10 inch plastic bag with tamper resistant tape). When ready for shipment, the COC should be placed in the over-pack bag with the samples. (Envelock® from CGM Security Solutions, Inc. or equivalent).



6.1.4 **Sample Security Storage Box** or restricted access area such as the counter or refrigerator in a locked room.



6.2 **Sample Processing Locations in SHSD Building 120:** Pick up and return sampling equipment and samples as per the following table:

Sample Type	Pick-up from Room	Return to Room	Acceptable packaging and return state
Bulk media (wipe pads, swabs, etc.)	Room 1-24 (Calibration Lab)	Room 1-19 (Sample Receiving Room)	Sample sealed in jar or plastic bag
Air sampling pumps (filters and sorbent tubes)	Room 1-24 (Calibration Lab)	Room 1-19 (Sample Receiving Room)	Media attached to pump; placed in carrier basket; plug or cap on exposed end of media; pump, media, and tubing wiped clean
Instruments, Meters	Room 1-24 (Calibration Lab)	Room 1-24 (Calibration Lab)	Meter wiped clean

6.3 **Preparation of Media:** Follow BNL IH Group's written sample preparation procedures in preparing air/bulk sampling media and forms for sampling as per IH75140. Prior to sampling:

- 6.3.1 Record calibration information on "air sample forms".
- 6.3.2 Place the "air sample form" and "chain of custody" form in a protective, zip-lock plastic bag and send the forms with the person transporting the media to the sampling location.
- 6.3.3 Place uncontaminated protective container (zip lock bag or jar) as required to receive and store field sample(s) for transport..

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6.4 **Maintaining Sample integrity** while in the possession of the sampling organization:

6.4.1 The *Sample Collector* is required to ensure that the proper sample forms are completed prior to sample collection. The *Sample Collector* and *Sample Submitters* must maintain the sample within storage conditions established by the sampling method (e.g. refrigeration when required).

6.5 **Receiving Samples**

6.5.1 *Sample Submitters* bring samples to **Building 120, Room 1-19**

- Do not bring samples into the IHG Calibration Room (Room 1-24), unless instructed to do so by an IHG *Sample Custodian*.
- Make sure bulk samples are properly packaged in a leak proof container and are free of contamination on the outside of the packing.

6.5.2 **Surface Contamination:** *Sample Custodian* verifies that the samples are submitted in a secure manner and are in the uncontaminated protective container provided (if appropriate). If not, reject the sample until the *Sample Submitter* rectifies the conditions of the sample.

In the event the integrity of the sample container is questioned, the *Sample Custodian* will assume the containers are contaminated, close the outer package, record this on the data sheet, place the packet in a fume hood (with warning sign) and notify the sample collector. The *Sample Collector* and *Sample Submitter* will determine if the samples are to be decontaminated and repackaged for analysis or will remove the samples and properly dispose of them.

6.5.3 **Reviewing Sample Documentation:** *Sample Custodian* reviews the sampling forms and verifies that the information recorded is complete and meaningful (including sample location information, method used, names of sampler, and date of sampling). If the forms are not properly completed, the *Sample Custodian* rejects the samples until the appropriate information is obtained and recorded.

6.5.4 **Assigning sample number(s):** *Sample Custodian* observes the sample identification numbers assigned by the sampler on the containers and verifies that they match the identification on the sample form.

6.5.4.1 If they do not match, the *Sample Submitter* must rectify the sample numbers. If the sample identification cannot be rectified, the *Sample Custodian* must reject the samples.

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6.5.4.2 *Sample Custodian* verifies or adds the IH Group sample identification to the sample containers and the sample form. The correct numbering pattern is: BLDG#-MM-DD-YY-[Analyte Abbreviation]- [unique number].

An example of a correct sample number is: “906-112304-Pb-1”.

6.6 Completing the Chain of Custody: The *Sample Submitter* completes the BNL IH Group *Chain of Custody* form Attachment 9.2 (including sample identification number and chemical to be tested) in the presence of the *Sample Custodian*. The *Sample Submitter* signs and dates the form.

6.6.1 The *Sample Custodian* ensures that the balance of the form, including the analysis method and the priority status of the sample analysis are completed.

6.7 Lab Cost Authorization: The *Sample Submitter* and the *Sample Custodian* verify that a Lab Cost Authorization form (LCA) Attachment 9.3 has the appropriate laboratory analysis Cost Charge numbers (BNL Project Code# and Activity Code#) and an **authorizing signature** for those code numbers. Samples will not be sent for analysis until analysis costs authorization is obtained.

6.8 Insuring the integrity of the samples within the IH Group Laboratory:

6.8.1 “Air samples” require post calibration of the sampling pumps to determine air volume sampled. Return pumps and media to the sample receiving Room 1-26 for post calibration. If the flow is not within ten percent of the pre-sampling flow rate, reject the sample until evaluated by the *Sample Collector* to determine the need for further actions.

6.8.2 Once released by the *Sample Submitter*, the *Sample Custodian* stores the samples appropriately in a restricted storage location such as the locked sample receiving area or the *Sample Security Box* until processing is completed.

6.8.3 Samples must be stored in accordance with the sampling method requirements (see instructions from the analysis lab or the NIOSH Method of Analytical Methods). Some monitoring methods limit shelf life for samples. Process samples for shipment so that they are received by the analytical laboratory with sufficient time for analysis. Protect the samples from light, refrigerate, and/or follow other special handling requirements set up in the sampling and

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analytical method. When possible, segregate bulk samples from air samples. If it is necessary for a collected sample to be stored under refrigeration prior to turn over to the sample custodian for post calibration, the samples should be placed into a tamper resistant bag and then placed into the refrigerator in Room 1-19.

6.8.4 Additional notes may be necessary for proper lab analysis and should be recorded on the analytical laboratory chain of custody in the comments section. This might include: known interferences present during sampling; temperature or high/low humidity at the sample location; and that bulk liquid samples are sent in separate packages; etc.

6.9 Processing Samples for Shipment: The *Sample Custodian* places the fully completed and signed BNL vendor Chain of Custody/Analysis Request Form (Attachment 9.2), the *COC Instruction Sheet* (Attachment 9.1), and the samples into a tamper resistant plastic bag.

6.9.1 The plastic bag is sealed with “tamper evidence” tape.

6.9.2 The sealed bag is appropriately stored in a restricted storage area such as placed in the locked *Sample Security Box* (or refrigerator in locked or occupied room) until taken to the BNL shipping area.

6.9.3 In the event the Sample Submitter requires off-hours sample drop or the Sample Custodian is unavailable, samples must not be left unattended. Special provisions must be made with the Sample Custodian to ensure that ALL provisions of the procedure are followed in any transfer of samples that do not follow this SOP.

Note: The chain of custody history may be documented using several sequential forms. Examples are:

- The “air sampling form” or “bulk sampling form” record provided by the *Sample Submitter* that documents the transfer to the *Sample Collector*.
- The IH Group “Chain of Custody form” Attachment 9.2 that documents the transfer from the *Sample Submitter* to the *Sample Custodian*.
- A “vendor” Chain of Custody record that documents the transfer from the *Sample Custodian* to the off-site analytical laboratory.

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6.9.4 Complete a “Shipper” form (from Procurement and Property Management), and take the samples to Building 100 for shipment by the next carrier. Samples need to be delivered to Building 100 by 1:30 pm.

6.10 **Receipt of Analysis data:** A *Sample Custodian* verifies that the completed COC form or vendor supplied Chain of Custody/Analysis Request Form is returned signed and dated. If not, contact the laboratory to rectify the problem.

6.10.1 Before sending results to the *Sample Collector*, the *Sample Custodian* checks that off-site laboratory signatures, analysis method, result concentration units, and BNL sample numbers are correct on the analysis form.

6.11 **Shipment Instructions** to offsite laboratories is listed in Attachment 9.5

7.0 Implementation and Training

7.1 **Qualification Criteria:** Only individuals who have demonstrated knowledge of this procedure to the satisfaction of the IH Group Leader, Exposure Monitoring Program Administrator, or their designee will be qualified to perform in the role of *Sample Custodian* and be allowed to receive samples and initiate the COC protocol. The qualification criteria to perform the role of *Sample Custodian* are demonstrated competency in receiving samples via:

7.1.1 Specific knowledge of this procedure shown by an ability to answer questions on the sampling *Chain of Custody* protocol.

7.1.2 Visual observation of a simulated sample receipt.

7.2 **Qualification Frequency & Recordkeeping for *Sample Custodians*:** The IH Group Leader, Program Administrator, or their designee will maintain a record of SHSD personnel who have passed the [qualification requirements](#) for *Sample Custodian* for the SHSD IH Laboratory. Criteria for Qualification are listed in Attachment 9.3. Personnel shall be re-qualified at a frequency not to exceed three years. If significant and substantive changes to the procedure are made, all qualified *Sample Custodians* will be notified of the changes.

7.3 **Qualification Criteria for *Sample Collector and Sample Submitter*:** To perform these roles, the person must be aware of the particular sampling method’s sample

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storage requirements and the importance of guardianship of the integrity of the sample. Qualification of a person to serve in this role is obtained by formal **qualification** in this procedure in Attachment 9.4

8.0 References

- 8.1 NIOSH Manual of Analytical Method, Fourth Edition, Introduction.
- 8.2 OSHA Technical Manual, Chapter 4.

9.0 Attachments

- 9.1 BNL Chain of Custody Instruction Sheet
- 9.2 BNL IHG *Chain of Custody* form
- 9.3 BNL IHG *Lab Cost Authorization* form
- 9.4 SHSD IH *Lab Sample Custodian Qualification Criteria*
- 9.5 Instructions for Shipping Samples to Offsite Laboratories

10.0 Documentation

Document Development and Revision Control Tracking		
PREPARED BY: <i>(signature and date on file)</i> R. Selvey Author Date 03/14/00 & 02/07/01	REVIEWED BY: <i>(signature and date on file)</i> R. Wilson <i>(signature and date on file)</i> J. Peters Date 02/07/01	APPROVED BY: <i>(signature and date on file)</i> R. Selvey Group Leader Date 02/09/01
ESH Coordinator/ Date: <i>none</i>	Work Coordinator/ Date: <i>none</i>	SHSD Manager / Date <i>none</i>
QA Representative / Date: M. Pizzulli 07/19/06	Training Coordinator / Date: <i>none</i>	Filing Code: IH52
RCD Approved By / Date: <i>(Signature and date on file)</i> N. Foster 04/24/01 Procedure Committee Review	Environ. Compliance Rep. / Date: <i>none</i>	Effective Date: 03/08/01
ISM Review - Hazard Categorization <input type="checkbox"/> High <input checked="" type="checkbox"/> Moderate	Validation: <input type="checkbox"/> Formal Walkthrough <input type="checkbox"/> Desk Top Review	Implementation: Training Completed: Tracked in BTMS Procedure posted on Web: 06/04/07

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<input type="checkbox"/> Low/Skill of the craft	<input type="checkbox"/> SME Review Name / Date:	Hard Copy files updated: 06/04/07 Document Control: 06/04/07
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Revision Log		
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Converted SOP number from IH-PP-3.0 to IH60300. Reviewed text, minor editorial changes.		
R. Selvey 03/08/01 <i>(signature on file)</i> Reviewer/Date:	Reviewer/Date:	Reviewer/Date:
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Revised to include RCD Facility Support Procedure Committee Review comments. Renumbered from 60300 to 51300 to correct clerical mistake.		
(signature on file) R. Selvey 04/24/01 SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Revision of Section 7 to ESHQ Directorate format. Revision of COC form 9.2 and addition of 9.3 Add Sample Cost authorization in Section 7. Add Attachment 9.5		
(signature on file) R. Selvey 04/29/03 SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Change in Sample number format in Step 6.5 and Attachment 9.2 for compatibility with compliance Suite. Revised Attachment 9.3.		
(signature on file) R. Selvey 11/17/04 SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Revised Section 7 on qualification for simplicity and unified qualification policy. In section 6, replaced references to evidence tape with Evidence Envelopes and updated the room number of the receiving room to current location. Changed text and photo in Attachment 9.1 to include evidence bag. Revised Attachment 9.4 JPM to the current format. Updated Attachment 9.5 to include the reference and photo of the evidence bag. Modified Section 10 format to current version.		
(signature/on file) R. Selvey 07/18/06 SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:

The only official copy is on-line at the SHSD IH Group website.
 Before using a printed copy, verify that it is current by checking the document issue date on the website.

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Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input checked="" type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Incorporated the comments from a full review by the Quality Assurance Representative. Corrected numerous typographical errors and two larger text passage improvements were made 6.3.3 and 6.8.2. Added a definition for "chain of custody". Added JRA check-off box to JPM Attachment 9.4. Minor text changes to Attachment 9.5 to include the "Envelock" bag.		
R. Selvey 08/30/06 (<i>signature on file</i>) SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:
Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input checked="" type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Added Steps 5.3 and 5.4. Revised Steps 7.2 and 7.3 for clarity. Added Revision Date to 9.5.		
R. Selvey 06/04/07 (<i>signature on file</i>) SME Reviewer/Date:	SME Reviewer/Date:	SME Reviewer/Date:



Chain of Custody Instruction Sheet

1) Sample(s) were shipped in a completely intact plastic bag with tamper evidence tape on the Envelock® bag.

2) Carefully observe the outer plastic bag that the samples are shipped in. Check for signs of tampering. Signs of tampering are:

- Evidence tape has been disturbed (reads “stop”)
- Plastic bag is not 100% intact:
 - cut marks
 - Seams opened
 - other signs that the bags have been opened



3) If any signs of tampering with packaging is detected,

a) Stop further processing of the samples

b) Call BNL at (631) 344-3900 or (631) 344-3066 and inform the person answering the phone of the tampering. (If no one answers, leave a message indicating the problem and the identity of the samples).

c) Save the material in the state received.

d) Contact BNL for instruction on returning the samples.

e) Do not analyze samples that show evidence of tampering without the consent of the BNL IH Group via the phone numbers above.

Thank you for your assistance in insuring the integrity of these samples.
Brookhaven National Laboratory- Industrial Hygiene Group

C of C#	C of C Date:	IH Survey#
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Ship To:	PO#:
----------	------

Field Sample Number(s)						Sample Date:	Analyze For:	Priority Turnaround 24 hr/ 48 hr/ 72 hr/ Standard	Air Samples Air Vol. (L)	Bulk Samples Surface Area
BLDG#	MM	DD	YY	Analyte	###					

Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Date:	Time:
Sampler:		→	To Submitter:		
Submitter to SHSD:		→	Accepted at SHSD:		
Submitter to Shipping:		→	At BNL Shipping: (<i>Sealed custody bag</i>)	n/a	n/a
Sent from BNL Shipping: (<i>Sealed custody bag</i>)	n/a	n/a	→ At Analytical Lab: (sign only if custody seal intact)		

Chain of Custody IHG Lab Sample Custodian Qualification Record

Job Performance Measure (JPM) Completion Certificate

Candidate's Name	Life Number:
-------------------------	---------------------

Topic	Criteria	Qualification Status		
		Unsatisfactory	Recovered	Satisfactory
Personal Protective Equipment	Understands the need to be aware of the potential surface contamination on samples and knows how to determine the need for PPE and how to obtain the correct PPE for the hazard.			
Equipment	Can show where equipment needed for the procedure is located and how to properly sign it out and operate it. (bags, bottles, tamper view tape, etc)			
Media	Can demonstrate the proper way to receive samples, properly sign them in, and store them correctly until analysis or shipment to analyzer.			
Record forms	Can show how to correctly and completely fill all forms associated with this SOP.			
Sample Security Storage Box	Can show where storage box is, how to open it, and when to use it.			
Packing samples for shipment	Can show how to double bag, enclose appropriate forms, and seal packages.			
Record forms	Can show how to correctly and completely fill all forms associated with this SOP.			
Risk Assessment	Understands the risk assessment and control in the Job Risk Assessment SHSD-JRA-14.			

I accept the responsibility for performing this task as demonstrated within this JPM and the corresponding SOP.

Candidate Signature:	Date:
-----------------------------	--------------

I certify the candidate has satisfactorily performed each of the above listed steps and is capable of performing the task unsupervised.

Evaluator Signature:	Date:
-----------------------------	--------------

IH51300 Attachment 9.5

Revision: 08/30/06

Instructions for Shipping Samples to Offsite Laboratories

- EMSL, Galson, Datachem, P&K and other off-site labs incur analysis cost that must be reimbursed by the organization the sampling is done for. The LCA (Attachment 9.3) must be completed by a person with signature authority for this account.
- Liberty Mutual Labs is used for chemical and lead analysis. Use of this lab fee is built into an overhead expense. The analysis costs are not charged to the organization the sampling is done for. However, the use of this account must be approved by IH Group management. A LCA or equivalent notification should be cleared with the IHG manager for this account.

	Action	Form or Label
1.	Receive samples from Sampler or Submitter in Building 120, Rm. 1-26.	---
2.	Custodian selects next available <u>COC number</u> .	Chain of Custody " Next Available Number " list
3.	Sampler or Submitter must complete a <i>Chain of Custody form (COC)</i> .	BNL Chain of Custody form (COC)
4.	Custodian writes the <u>COC number</u> on the COC form.	---
5.	Sampler or Submitter must submit a Lab Cost Analysis form (LCA) with an Authorized Signature.	Lab Cost Analysis form (LCA)
6.	Custodian makes sure a completed BNL <i>Field Sample form</i> (appropriate for the type of sample) is submitted with samples.	---
7.	Individually bag or bottle each sample. Custodian makes sure samples are labeled correctly (Bldg.#-mmddy -analyte- ID#) & match to survey form and COC. (Sample Labels are found in Section D). Indelible ink marker directly on container is also acceptable.	Sample container label
8.	Custodian completes appropriate form from the lab that indicates the needed analysis and meets the lab's Chain of Custody Requirements. (For Galson COC. Save the pink copy.)	<ul style="list-style-type: none"> • EMSL COC • Galson Request for IH Analysis • Liberty Mutual sample data form • P&K COC
9.	Fill out <i>Shipping Memo</i> for analytical lab.	Shipping Memo form
10.	Make a photocopy of all completed forms.	---
11.	Put all similar analyte samples inside a large plastic bag.	---
12.	Put a BNL Address Label on bag.	BNL Address label
13.	Put COC, <i>Lab Cost Analysis form</i> , & <i>Tamper Proof Info Sheet</i> along with sample bag in an Envelock® tamper resistant bag.	Tamper Proof Info sheet
14.	Seal the Envelock® bag with the <i>tamper proof tape</i> .	---
15.	Place a " Ship to: " label on the plastic bag.	"Ship to:" label
16.	Take bag with samples to Shipping Building 100, along with <i>Shipping Memo</i> .	---
17.	At Building 100, request a copy of the completed <i>Shipping Memo</i> with shipper number.	---
18.	Bring the <i>Shipping Memo</i> back to Building 120 and attach to paperwork for samples.	---
19.	Place all paperwork in the "Pending" bin in Building 120, Room 1-26.	---